



Ship's Configuration Data Meets Maintenance Data FLSIC Record Type 6 Design Status

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Mr. Milton Myers

Configuration Management
& Readiness Division Rep



Overview

- Background
- Issue Resolution (Immediate Solution)
- Issue Resolution (Four Components)
- RT6 Phase (1) Accomplishments
- Summary

Background

TODAY'S ENVIRONMENT

- Ship's Configuration Data Managers Database
 - **CDMD-OA**
- Various Maintenance Databases
 - **3M, ICAS, PMS, etc.**
- Shipboard Environment
 - **Logistics Database Contains Configuration, Supply and 2 Kilos (partial Material Condition)**
- Shore Environment
 - **ISSUE - No Link Between Material Condition and Ship's Configuration Data**

Issue Resolution

Resolution: Merge **Material Condition** & Configuration Data into a **single** Environment

- Optimal Solution:
 - Consolidate into Enterprise Resource Planning (ERP):
 - Standardize Hierarchical Structure Codes
 - Standardize Naming Conventions
 - Track Total Maintenance Cost

...The Challenge...

Schedule Delays: due to ERP Convergence

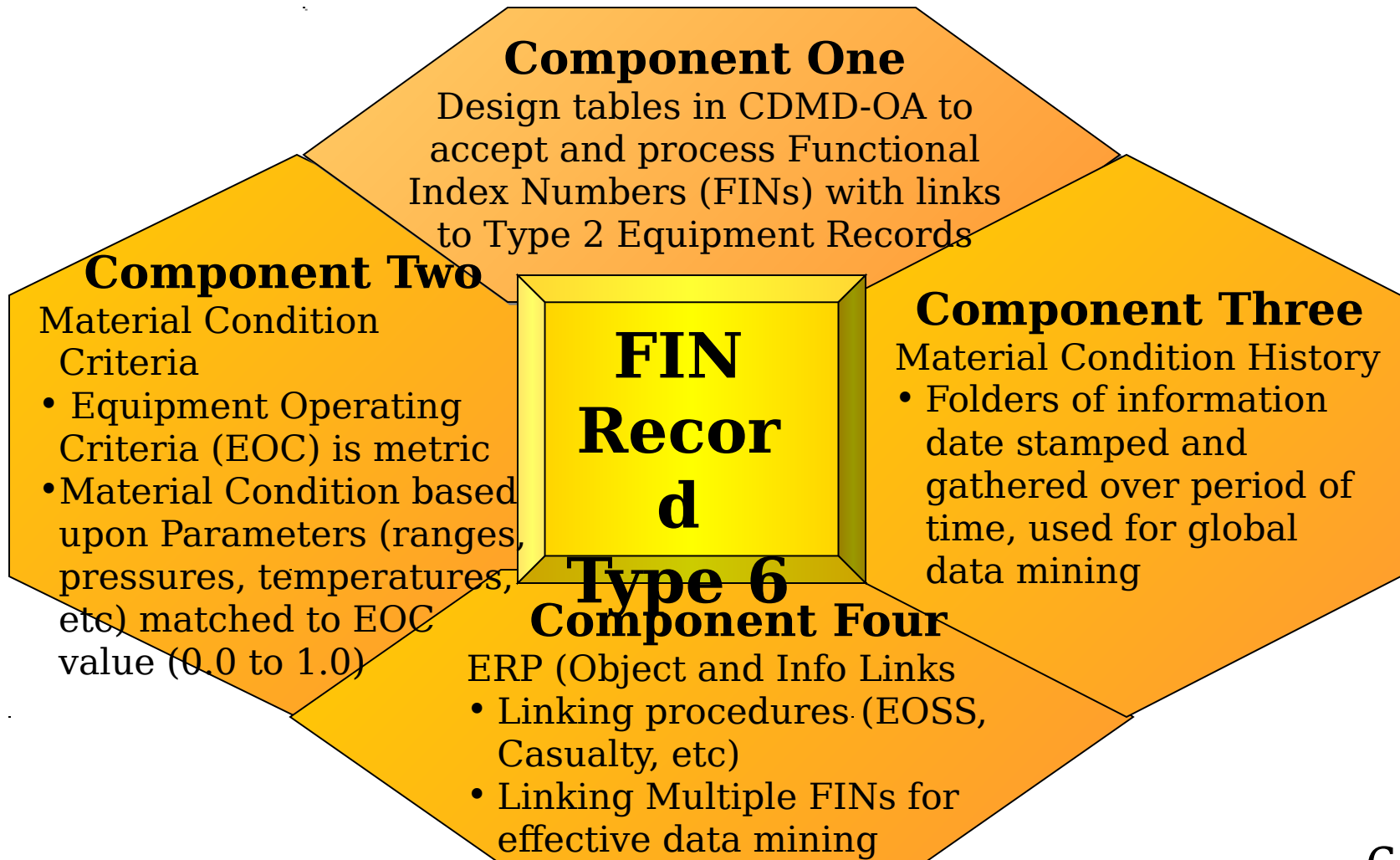
Issue Resolution (cont.)

Intermediate Solution:

- Develop New Record Type in CDMD-OA to Link **Material Condition**, Configuration & Logistics Data
 - Create New Numbering Structure to Provide Maintenance Community with a Functional Systems Engineering View by War fighting Area
- Design Record Type 6 with ERP End-State Vision
 - Use ERP Terminology & Data Characteristics
- Record Type 6 Data Integrity
 - **Technical Warrant Holder (via SEA 05C) designates access to RT6**
 - **Record Type 6 will be “read only” for all other users**

CDMD-OA Record Type 6

Four Key Components



CDMD-OA Record Type 6 Accomplishments (Phase 1)

- Design for Back-End Functions Complete
 - Import program to receive data from FIN prototype database (Complete)
 - Tables designed for populating 20 levels of FIN
 - [1-3][4] [5-6][7][8][9][10-11][12-13][14][15][16-18][19-20]
 - ESWBS-SWLIN-APL-Funct Areas-Sys-Subsys-Comp-SubComp-Variant-Deck-Frame-Centerline- Port/S
 - Edit checks & warning errors for incomplete/out of range values and missing data relationships
 - Tables designed to associate FIN (APL/UIC/Class)
 - Query/Search capabilities (values, FIN, equip, etc.)
 - Tables to collect/maintain/store history data
 - Authorization tables designed (need population)

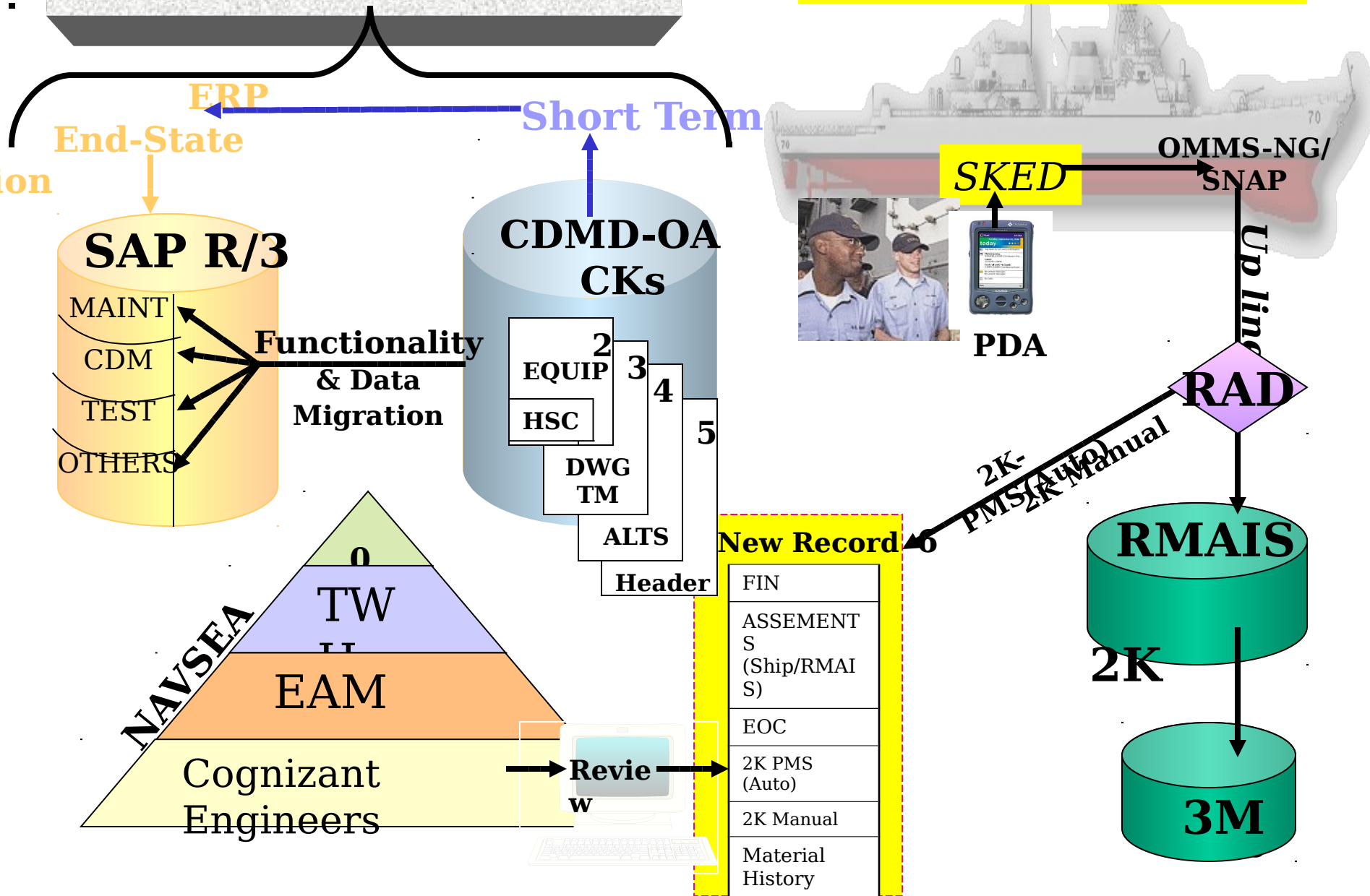
Summary

- **Proceeding** with Phase (2) of RT6 design:
 - Tables Designed (per) Four Key Components
 - Funding Required to complete Phase (2)
- **Updating** Software Requirement Specification:
 - Accelerated Front-End design & limited testing to support FLSIC Conference Demonstration
 - More Robust Data required for complete testing
- **Software Release Schedule:**
 - Planned for Production Release 3.4.0 (June 04)


BACK-UP - Slides

Strike Force Status

Phase (2) RT6 Concept



FIN Screen


FUNCTIONAL INDEX
NUMBER

FIN

Locate FIN

FIN #

Code:

ESWBS-233B

Description:

Propulsion Diesel

APL Code

66

Functional Area

PROP

Subcomponent

Deck

Frame

WTa:

Last Name

First

Middle

Email

Hartranft

Name

Hartranftjb@navse

LCM

Last Name

First

Middle

Email

Pho

Name

ISEA:

Last Name

First

Middle

Email

Pho

Name

SWBS-SWLIN

233B

APL Code

66

System

41

OR

Propulsion Diesel

Engines

1A MPDE CLUTCH

Ship Class

ARS-50

Weight Factor

Critical

CG-47

CV-63

CVN-65

CV-67

CVN-68

DDG-51

LHA-1

MCM-1

58

1.0

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CDMD-OA Record Type 6 Development History

